

Message

From: Julia Fitts [jfitts@anchorqea.com]
Sent: 12/10/2021 11:20:47 PM
To: Sanga, Ravi [Sanga.Ravi@epa.gov]; Hoffman, Erika [Hoffman.Erika@epa.gov]
CC: florer.j@portseattle.org; dberlin@anchorqea.com
Subject: Terminal 25 QAPP Deviations
Attachments: QAPP_Addendum_2_Inwater_Final_05-07-2021.pdf

Good afternoon, Ravi and Erika,

On behalf of the Port, I wanted to make EPA aware of few QAPP deviations for Terminal 25 sampling:

- **Station SC27:** Per EPA correspondence yesterday (12/9), our team moved between 40 and 50 feet from the target location to make additional attempts. Unfortunately, despite multiple additional attempts surrounding this location and the prevalence of shallow rock (some of it armor rock), we were unable to recover any sediment. Moving this station any farther would put it very close to adjacent stations. As such, the Port requests to abandon station SC27.
- **Station SC28:** We were unable to get sufficient recovery in multiple (>3) attempts at this station due to the presence of obstructions/hard material at depth. As such, and due to a small piling field near the target station, we had to move approximately 38 feet off-station (north of the target) to achieve acceptable (>75%) recovery.
- **Station SC22:** Five attempts were made at this location, and none of the attempts achieved the target penetration due to a hard layer at approx. 7 feet below mudline. The best attempt (#2) recovered 77% of the drive (5.9 feet) so the Port is planning to sample that attempt. In addition, due to the shorter drive and recovery, the target sample depths for this location are (which are between 4 and 7 feet) will need to be adjusted accordingly based on recovery and the lithologies encountered.
- **Sample Interval Modifications:** During core processing, we've encountered distinct lithology changes (e.g., silt to sand) that don't always align with the 1-ft depth intervals prescribed in the QAPP. As such, and because we're unable to get enough sample volume from an interval *shorter* than 1ft, we've increased some of the sample intervals to greater than 1 ft (up to 1.5 ft) in order to not sample across any lithologic contacts and to align as much as possible with the QAPP and overall project objectives.
- **Schedule:** Due to recovery issues that have slowed our progress this week, the Port plans to wrap up the T25 sampling by the middle of next week. Coring will resume on Monday 12/10.

Let me know if there are any questions and if the above modifications are acceptable to EPA.

Thank you,
Julia

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